09/192,474
NEC98P175-HIa

detectors, and

a second regulated constant-current source connected to said first regulated constant-current source, for correcting variations inherent in said detectors.

11.   (Amended) An imaging device according to claim 5, wherein said resistance ranges from approximately 1 kΩ to 500 kΩ.

12.   (Amended) An imaging device according to claim 6, wherein said resistance ranges from approximately 1 kΩ to 500 kΩ.

13.   (Amended) An imaging device according to claim 9, wherein said resistance ranges from approximately 1 kΩ to 500 kΩ.

14.   (Amended) An imaging device according to claim 10, wherein said resistance ranges from approximately 1 kΩ to 500 kΩ.

20.   (Amended) An imaging device according to claim 16, further comprising means for manipulating a most significant bit of each of the variation data inherent in said detectors to determine a value of the most significant bit based on the result of the comparison, and successively manipulating bits of the variation data of said detectors to determine values of the bits up to a least significant bit thereof.

09/192,474
NEC98P175-HIa

21.   (Amended) An imaging device according to claim 17, further comprising means for

manipulating a most significant bit of each of the variation data inherent in said detectors to

determine a value of the most significant bit based on the result of the comparison, and

successively manipulating bits of the variation data of said detectors to determine values of

the bits up to a least significant bit thereof.

22.   (Amended) An imaging device comprising:

    a plurality of detectors arranged in a two-dimensional matrix, for converting

electromagnetic radiation into electric signals;

    a plurality of switching means, each associated with said detectors, wherein each of

said switching means selects at least one of said detectors;

    a plurality of read-out circuits, each connected to said detectors in a column

direction;

    a plurality of regulated constant-current sources, each connected to one of the read-out

circuits, for correcting variations inherent in said detectors;

    a plurality of data buffers, each connected to said regulated constant-current sources,

for storing data for fixed-pattern-noise correction to be supplied to said regulated constant-

current sources;

    a plurality of multiplexers, each associated with said read-out circuits, for selecting

and outputting the output from the read-out circuits;

    a vertical shift register for outputting vertical selection signals to successively turn on

said switching means in a plurality of respective rows of the matrix; and

09/192,474
NEC98P175-HIa

／   a horizontal shift register for outputting horizontal selection signals to successively

select said multiplexers.

Please add the following new claims:

‐ ‐ 23. An imaging device comprising:

a plurality of detectors for converting an electromagnetic radiation into electric

signals;

a plurality of read circuits, each communicating with at least one of said detectors;

and

a plurality of constant-current sources, each correcting variations in at least one of

said detectors.

24. The imaging device according to claim 23, further comprising:

a plurality of multiplexers, each associated with at least one of said plurality of read

circuits, for outputting signals from said read-out circuits;

a vertical shift register for outputting vertical selection signals; and

a horizontal shift register for outputting horizontal selection signals.‐‐